

Converting Colors

CIELCh(67, 36.973, 82.287)

Have a look what the booklet for
CIELCh(67, 36.973, 82.287) contains.

CIELCh(67, 36.942, 81.923)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(67, 36.942, 81.923)

Conversions

Conversions Part 1

Format	Color
Hex	C19E61
RGB	193, 158, 97
RGB Percent	76%, 62%, 38%
CMY	0.2433, 0.3805, 0.6198
CMYK	0.00, 0.18, 0.50, 0.24
HSL	38°, 44%, 57%
HSV	38°, 50%, 76%
XYZ	36.3551, 36.6320, 16.4536
YIQ	161.5110, 40.4410, -11.5510

Conversions

Conversions Part 2

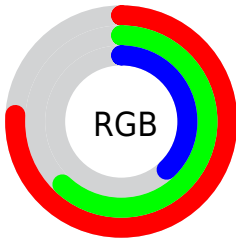
Format	Color
RYB	152, 193, 97
Decimal	12688993
CIELab	67.00, 5.19, 36.58
CIELCh	67, 36.942, 81.923
Yxy	36.6320, 0.4065, 0.4096
Android (android.graphics.Color)	4290879073 (0xFFC19E61)
YUV	161.5110, -31.8039, 27.6159
Hunter-Lab	60.5244, 1.3019, 26.2490

Details

The CIELCh color **67, 36.942, 81.923** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **55, 35.963, 277.720**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 36.628, 81.559**, and **47, 36.702, 82.076** is the 20% darker color. If you saturate the color by 10%, you get **65, 44.587, 80.464**, and if you desaturate by 10%, it is **69, 29.251, 83.336**.

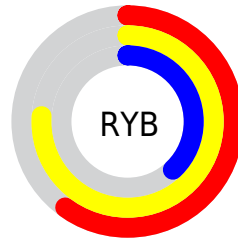
Distribution



Red (76%)

Green (62%)

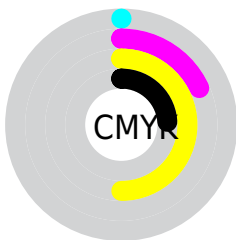
Blue (38%)



Red (60%)

Yellow (76%)

Blue (38%)

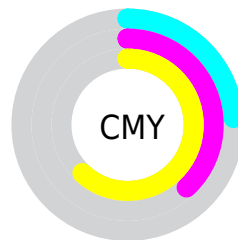


Cyan (0%)

Magenta (18%)

Yellow (50%)

Black (24%)



Cyan (24%)

Magenta (38%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 36.942, 81.923 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 67, 36.942, 81.923 by changing the saturation by 10% instead.

67, 36.942, 81.923

67, 36.942, 81.923

100, 36.942,
81.923

57, 36.942, 81.923

87, 36.942, 81.923

47, 36.942, 81.923

97, 36.942, 81.923

37, 36.942, 81.923

27, 36.942, 81.923

17, 36.942, 81.923

7, 36.942, 81.923

0, 36.942, 81.923

67, 36.942, 81.923

67, 36.942, 81.923

65, 44.587, 80.464

69, 29.251, 83.336

63, 51.925, 78.908

71, 21.646, 84.702

61, 58.492, 77.181

74, 14.193, 86.026

59, 63.573, 75.128

76, 6.914, 87.298

58, 66.826, 72.660

78, 0.184, 269.974

57, 66.908, 72.601

80, 7.110, 269.817

83, 13.873,
270.948

85, 20.488,
272.039

87, 19.614,
263.745

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



67, 36.942, 81.923



55, 35.963, 277.720

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67, 36.942, 81.923



67, 36.942, 131.923



67, 36.942, 261.923



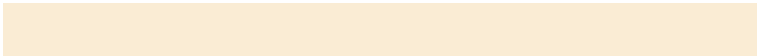
67, 36.942, 311.923

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



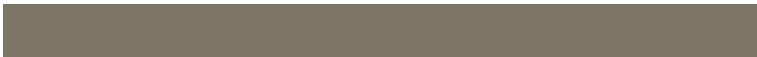
67, 36.942, 81.927



94, 13.221, 86.609



54, 42.334, 357.762



49, 9.043, 86.336



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67, 36.942, 81.927



82, 55.248, 80.284



75, 49.946, 111.697



40, 4.033, 87.344



48, 58.404, 73.063



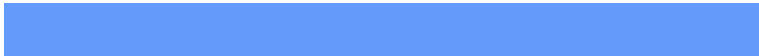
8, 12.187, 74.743

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



55, 35.963, 277.720



64, 53.935, 280.919



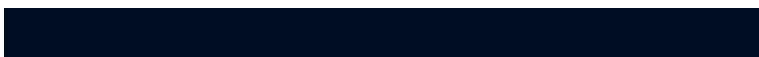
47, 56.885, 300.837



38, 4.019, 269.819



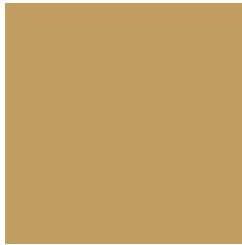
28, 65.056, 294.343



3, 14.673, 278.361

Previews

White Background



This preview shows how the CIELCh color 67, 36.942, 81.923 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 67, 36.942, 81.923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

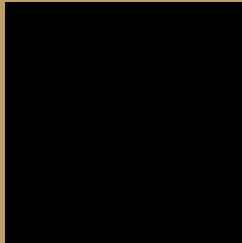
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 36.942, 81.923

Background



This preview shows how black text looks on a background with the CIELCh color 67, 36.942, 81.923.



This preview shows how white text looks on a background with the CIELCh color 67, 36.942, 81.923.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

67, 36.942, 81.923

Protanopia

67, 35.322, 95.854

Deuteranopia

67, 37.622, 77.134



Tritanopia
67, 20.217, 2.498

Trichromacy



Original Color
67, 36.942, 81.923

Protanomaly
67, 35.646, 90.864

Deuteranomaly
67, 37.357, 79.209

Tritanomaly
67, 20.125, 44.833

Monochromacy



Original Color
67, 36.942, 81.923

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 13.228, 85.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 36.942, 81.923 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(193, 158, 97)` looks like.

```
.text, #text, p{  
    color:rgb(193, 158, 97)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(193, 158, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 158, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 36.942, 81.923 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 158, 97) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(193, 158, 97) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(193, 158, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 158, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 158, 97);  
box-shadow:4px 4px 4px 4px rgb(193, 158,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 36.942, 81.923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 158, 97) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(193,  
158, 97) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor